Title of Invention

This declaration is directed to:

As the below named inventor(s), I/we declare that:

The attached application, or

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MAGNETIC SENSOR WITH UNDERLAYERS PROMOTING HIGH-COERCIVITY, IN-PLANE BIAS LAYERS

# DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

	Application No10/788,765, filed on _February 27, 2004,			
	as amended on(if applicable);			
I/we believe that I/we am/are the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought;				
If we have reviewed and understand the contents of the above-identified application, including the claims, as amended by any amendment specifically referred to above;				
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.				
All statements made herein of my/own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.				
FULL NAME OF	NVENTOR(S)			
FULL NAME OF Inventor one:	NVENTOR(S) YINGJIAN CHEN			
	. ,			
Inventor one:	YINGJIAN CHEN			
Inventor one: Signature:	YINGJIAN CHEN  Citizen of: PR CHINA			
Inventor one: Signature: Inventor two:	YINGJIAN CHEN  Citizen of: PR CHINA  WELZHANG			
Inventor one: Signature: Inventor two: Signature:	YINGJIAN CHEN  Citizen of: PR CHINA  WEI ZHANG  Citizen of: PR CHINA			
Inventor one: Signature: Inventor two: Signature: Inventor three:	YINGJIAN CHEN  Citizen of: PR CHINA  WEI ZHANG  Citizen of: PR CHINA			
Inventor one: Signature: Inventor two: Signature: Inventor three: Signature:	YINGJIAN CHEN  Citizen of: PR CHINA  WEI ZHANG  Citizen of: PR CHINA  JINQIU ZHANG  Citizen of: PR CHINA			

Burden How Statement: This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to file (and the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 1 minute to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO-Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/01A (10-01) Approved for use through 10/31/2002, OMB 0651-0032

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### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention MAGNETIC SENSOR WITH UNDERLAYERS PROMOTING HIGH-COERCIVITY, IN-PLANE BIAS LAYERS

As the below named inventor(s), I/we declare that:				
This declaration is direct	cted to:	•		
	The attached applicat	ion, or		
×	Application No10/78	88,765, filed on_February 27, 2004,		
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FULL NAME OF INVENTOR(S)				
Inventor one: YIN	GJIAN CHEN			
inventor one.		BD 011114		
Signature:		Citizen of: PR CHINA		
Inventor two: WEI	ZHANG			
Signature:		Citizen of: PR CHINA		
Inventor three: JINQ	IU ZHANG			
Signature:	milju Zhane	Citizen of: PR CHINA		
Inventor four: HAIF	ENG WANG	~~~		
Signature:		Citizen of: PR CHINA		
Additional inventors are	boing parred on 1	additional form(e) attached heroto		

Burden Nov Statement This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is used by the public to the fand the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 1.22 and 37 CFR 1.43. This form is estimated to take it minute to complete the minute of the public time we'd vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Case of the complete the form should be sent to the Case of the Case of

Title of Invention

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jeopardize the validity o	f the application or any patent issu	prisonment, or both, under 18 U.S.C. 1001, and may jing thereon.		
jeopardize the validity o	f the application or any patent issu	prisonment, or both, under 18 U.S.C. 1001, and may jing thereon.		
FULL NAME OF INVEN	f the application or any patent issu	prisonment, or both, under 18 U.S.C. 1001, and may ining thereon.  Citizen of:   JAPAN		
FULL NAME OF INVEN Inventor five: SAT Signature:	f the application or any patent issu	ing thereon.		
FULL NAME OF INVEN Inventor five: Signature:	f the application or any patent issu  ITOR(S)  ORU ARAKI  AMAD T. KROUNBI	ing thereon.		
FULL NAME OF INVEN Inventor five: SAT Signature: MOH Signature:	f the application or any patent issu  ITOR(S)  ORU ARAKI  AMAD T. KROUNBI	citizen of:   JAPAN		
FULL NAME OF INVEN Inventor five: Signature: Inventor six: MOH Signature: Inventor seven:	f the application or any patent issu  TOR(S)  ORU ARAKI  AMAD T. KROUNBI	citizen of:   JAPAN		
FULL NAME OF INVEN Inventor five: Signature: Inventor six: MOH Signature: Inventor seven: Signature:	f the application or any patent issu  TOR(S)  ORU ARAKI  AMAD T. KROUNBI	Citizen of: UNITED STATES  Citizen of: UNITED STATES		
FULL NAME OF INVEN Inventor five: Signature: Inventor six: MOH Signature: Inventor seven: Signature:	f the application or any patent issu  TOR(S)  ORU ARAKI  AMAD T. KROUNBI	Citizen of: UNITED STATES  Citizen of: UNITED STATES		

Butten for UStatement: This collection of information is required by 36 U.S.C. 115 and 37 CFR 14.3. The information is said by the public to file (set the USTO) of the USTO o

PTO/SB/01A (10-01)

K35R1850

Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

#### DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN **APPLICATION DATA SHEET (37 CFR 1.76)**

Title of Inventi	on MAGNETIC SENSOR WITH UNDERLAYERS PROMOTING HIGH-COERCIVITY, IN-PLANE BIAS LAYERS				
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This declaration is directed to:					
	☐ The attached application, or     ☐ Application No. 10/788,765, filed on February 27, 2004      ☐ as amended on(if applicable);				
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FULL NAME OF	INVENTOR(S)				
Inventor five:	SATORU ARAKI				
Signature:	Citizen of: JAPAN				
Inventor six:	MOHAMAD T. KROUNBI				
Signature:	Citizen of: UNITED STATES				
Inventor seven:					
Signature:	Citizen of:				
Inventor eight:					
Signature:	Citizen of:				
	ntors are being named on additional form(s) attached hereto				

The second secon Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Washington, DC 20231.